



EXERCISE: FIZZBUZZ



- 1. Return list of numbers from 1 to X where X is provided
- 2 If X is <= 1, throw an IllegalArgumentException
 with a custom message</pre>
- 3 Return "Fizz" when the number is divisible by 3
- 4. Return "Buzz" when the number is divisible by 5
- 5. Return "FizzBuzz" when the number is divisible by both 3 and 5



Tools

jdk 8 - git - IDE



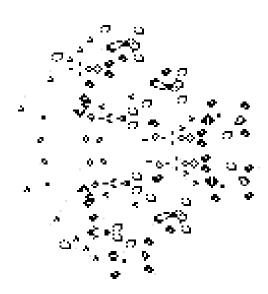


Git



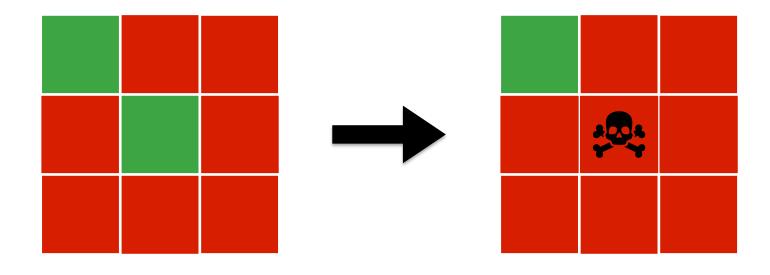


Game of life



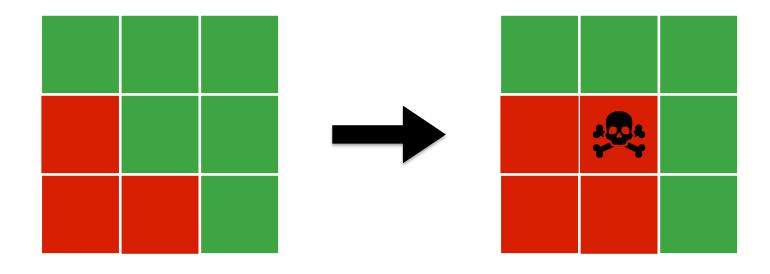


Underpopulation (< 2)



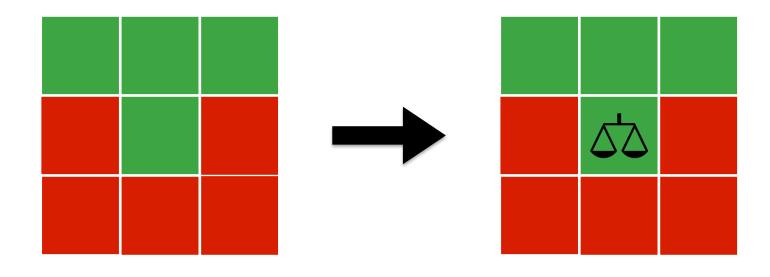


Overpopulation (> 3)



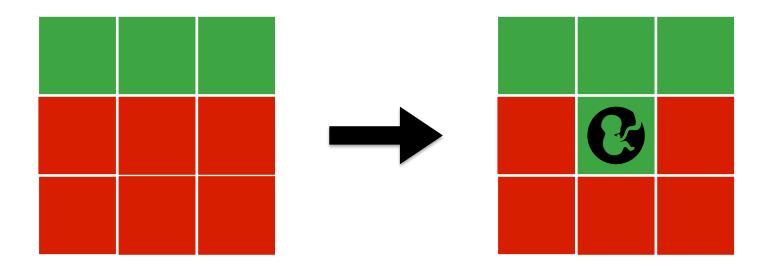


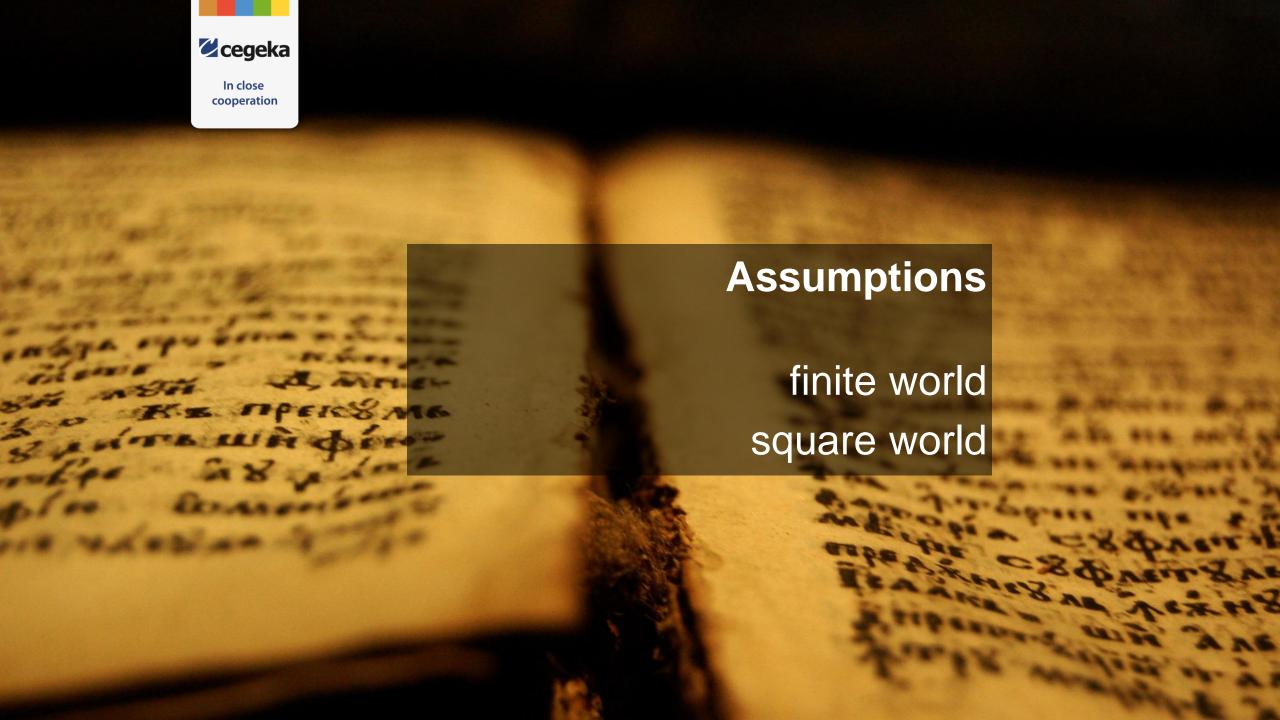
Sustenance (== 2 || == 3)

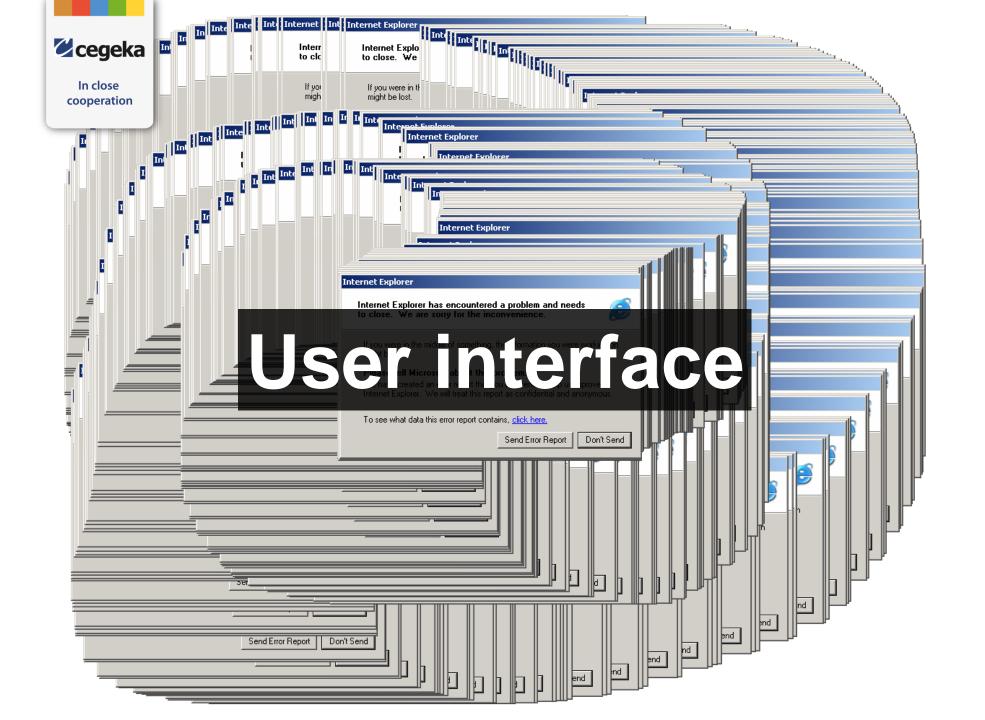


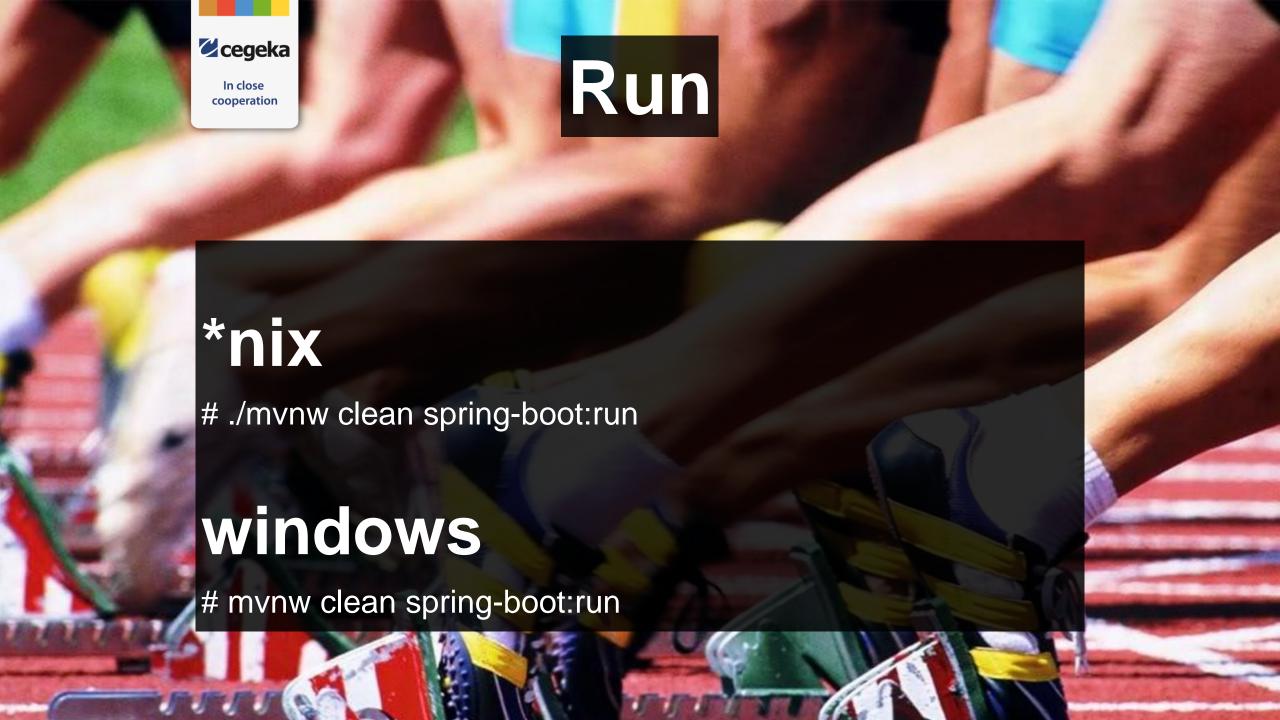


Reproduction (== 3)













4 rules of simple design

1. Passes all tests

- 2. Minimise duplication (of concepts)
- 3. Reveals intent / maximise clarity

4. Fewest elements